

AMENDMENTS TO THE SPECIFICATION:

Please amend the paragraph beginning on page 6, line 26 as follows.

Thus, when infrared radiation is radiated from the measurement member to the sensor array 2 that is composed of plural bolometer type sensor elements 2a formed on the silicon substrate 11, each of the bolometer type sensor elements 2a can provide thermal image ~~date~~ data in the sensor array 2. Then, in the signal detecting/processing circuit 5 shown in FIG. 1, the signal from the infrared sensor array 2 in accordance with the irradiated quantity of infrared radiation is amplified by the signal amplifier 6, and is processed by the signal processing circuit 7, for example, in comparison with a threshold value. The thus obtained signal (image ~~date~~ data) is transmitted to the various system control circuit 9 through the data transmission circuit 8. In the system control circuit 9, detection data of whether a passenger or others is present at each seat or not, and of its position, which utilize the temperature detecting function of each pixel, can be used for air conditioning control of the passenger compartment using an air conditioner, expansion control of an air bag, security control and the like.